

A

NotI

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CBP tag

Gly/Ser-linker

GGG	GCA	CTT	GGA	AGC	GGT	AGC	GGT	ACC
G	A	L	G	S	G	S	G	S

SBP tag (SB19C4)

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GGC	GAG	CTG	GAG	CTG	CGG	GCC	AGG	CTG	GAG	CAC	CCT	CAG	GGC	CAG	CGG	GAG	CCC
G	E	L	Q	L	R	A	R	L	E	H	P	Q	G	Q	R	E	P

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S	G	G	C	K	L	G

* GCCCGGGCGGATCC

tag length: 78AA

B

XhoI

G/S-linker

CTC	GAG	GGA	AGC	GGT	AGC	GGT	ACC
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SBP-tag

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SBP-tag

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TCC	GGC	GGC	TGC	AAG	CTG	GGC	TCC
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CBP-tag

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Apal

TAG GGCCCGAC

Tag length: 79 AA

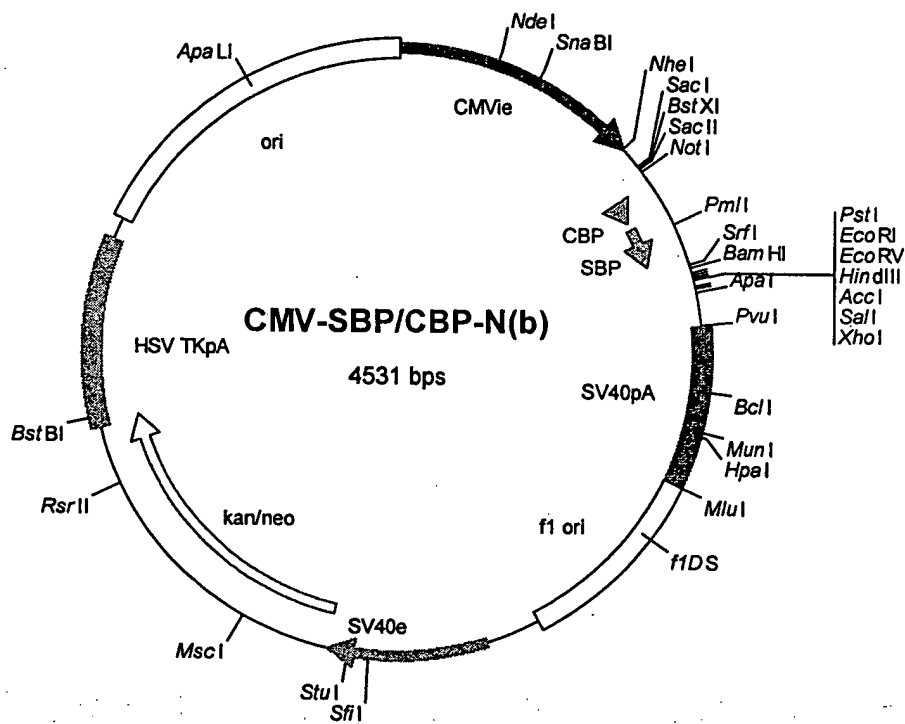
Fig. 1

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SB2	2	<u>MDEKTHCF</u> HPGDLVRLVEELQALAEGLQGGQHPRLPRRPHHLQLLDDAEFPQAGLRERAHQVDGRLLQLQHHPQGDRLQPODHPHLELVWRLLPPS
SB3	4	<u>MTRRPT</u> ASSSCVRLHLLRQGEHGHQALSDRDKARHVLVEGDVEVLGGDLRLARHREALHPQAGLVHLPLHGGDLGGHLRLVLEAHPQCDRLGLAVHHH
SB4	1	<u>MDEKTHWGI</u> STWRGEPILLHPQAGRLPLDRRRARHRRILGAEPGGVDHGLRLLELDDHRLVPDHPQGRPLQRGDLPQVVPVPLRLRHARVILGLAAATIT
SB5	3	<u>MDEKTHWV</u> NYHPQGDLLVRGHGHVREALHDOGLHQDLQDGLLVGPPPEVVRALRGVILGGLRRLVPLDHPQGEALDQARQRPQHLLELHREALPALVWRLLPPS
SB6	1	<u>MDEKTHWLN</u> NPEELARLDGLREGEDHPLVLRHPQGDGLLDQPLGRHREALDGEVREGDRPLDQGGEDIGALVDDDDGEVLDGLVHVGVHVDPLVCGCHHH
SB7	1	<u>MDEKTHW</u> FTLNSPPTHMSAVNGKIDCSFNHNLSTNHWSLSSGHPDGLDDQLEHPQGDALVGRDDGVQALRLLEGQHQRRLAQRADRHRLVWRLLPPS
SB8	1	<u>MDEKTHCTI</u> ELNFTSWKLLHHPQGDALLDDGVRPHHPLADEGGGLDQGLGHRGVVAERLARDDPEVLBGLVERHRLVPLRHGGHRAEPVLRLLPPS
SB9	1	<u>MDEKTHCNT</u> GLYDGAADCFNELNKDVAPLVEGRHDLVEGLLERHPQGDPLVAHQVLRHPLILGRGERHREALVQOEHQPHRLQPVVDLGRRLVWRLLPPS
SB10	1	<u>MDEKTHW</u> HERAQLVGGILLHHPQRLILEPRGPRPLRGLVHERGHQPOPLAGRVEEADGGILLRDGGELPELVREGEDHLEPLDDELDAQPRGLVWRLLPHHH
SB11	1	<u>MDEKTHW</u> HERVHLADGLEQHPQGRPLVERHRQVPRGLVRLQHEGLPILEHPAGVHVIRLHQDDRDVDGLVDGHRDVRGLEREVDGPHRLVWRLLPPS
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SB13	2	<u>MERED</u> PLDEQLRELREALVDHPQGGALHRRHDGGEHVPRLRVQHRQLQFGLQHLEPQPLGLGLBELQARLQPLAGEHEGDGAGLQRPVGHQGRRLVWRLLPPS
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SB16	1	<u>MDEKTHW</u> VLQLHPQGDRLGPRHGGDVRLLVCGGEGVLEGLDGRPRRRHRLPREDEHVRALVDQVRDLAERLVEEVGGVEALRHGLPQDEPPSGGCHHH
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SB18	1	<u>MDEKTHC</u> AVNVNVELTWHCHRVAILQPLDPEHPQGDHLRLPLGHALVDPLVQGVVEVVRPLQDVGVQRVALVEQVAVVEGGLDHEAGAHGALVWRLLPPS
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SB20	1	<u>MNEKTHC</u> KLNFKVNIADWLAEFHHGGGGLGRDGVVQRLVDGVQVERLDRDPGLGDLRLLELHHRDLRLGGEHLRLRDHPLEPDDHLLVVGGLVWRLLPPS

The "No." indicates the number of times each sequence was observed. The HPQ sequence is in bold type. Defined sequences at the termini are underlined. The six C-terminal residues are not shown.

Fig. 2

Fig. 3a-1



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1  atgcattagt  tattaatagt  aatcaattac  ggggtcatta  gttcatagcc  catatatgga
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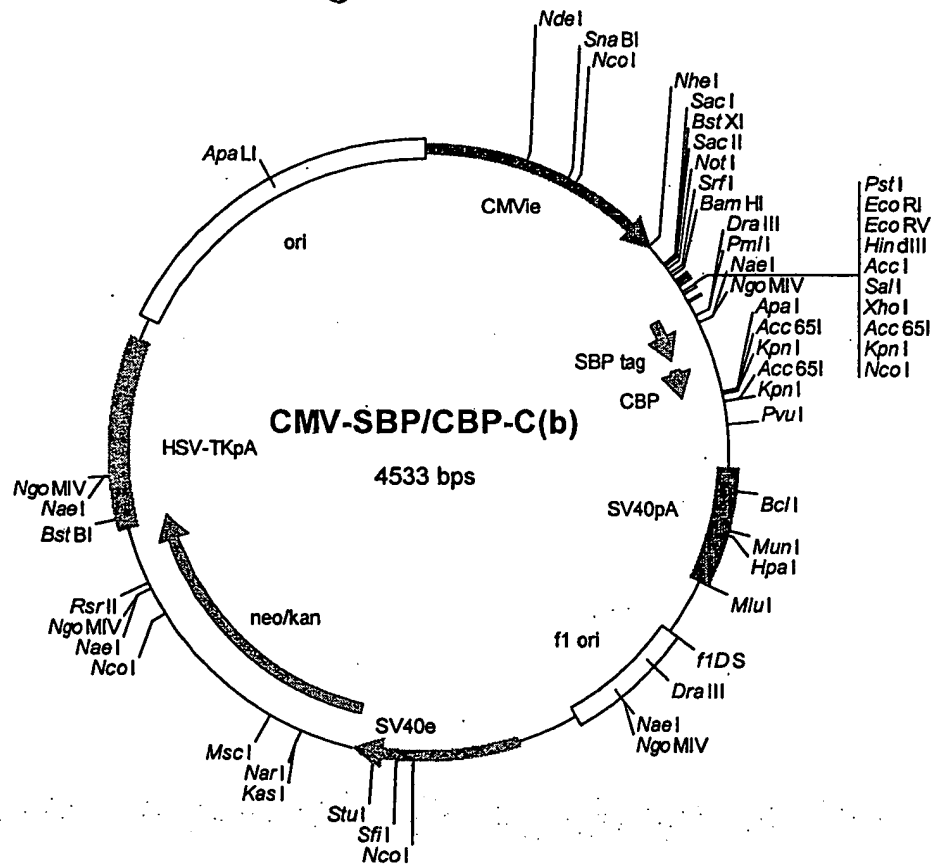
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Fig. 3a-2

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Fig. 3a-3

Fig. 3b-1



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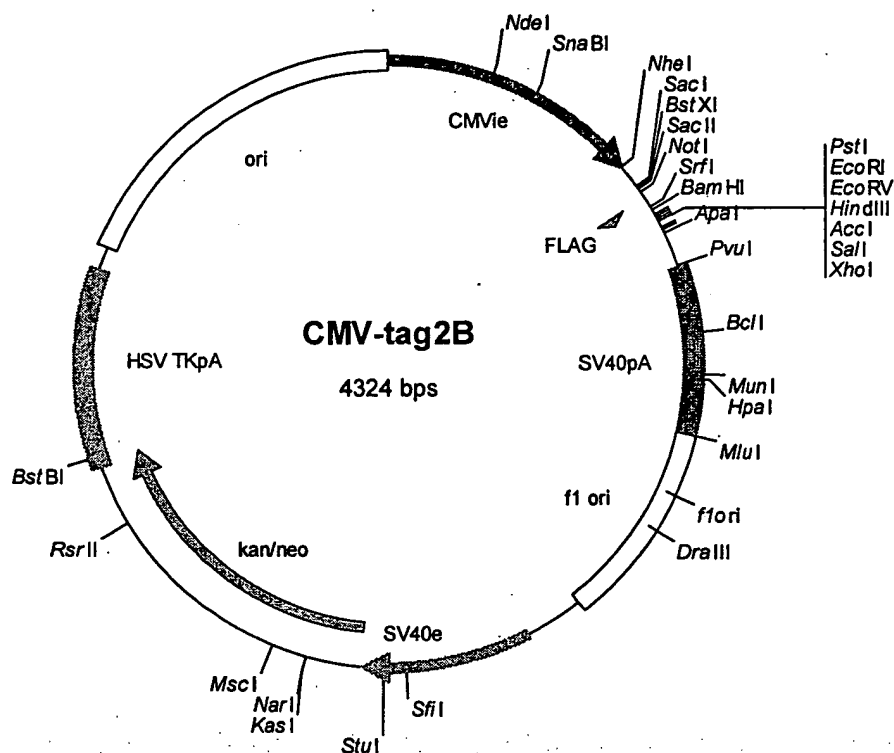
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Fig. 3b-2

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Fig. 3b-3

Fig. 4a-1



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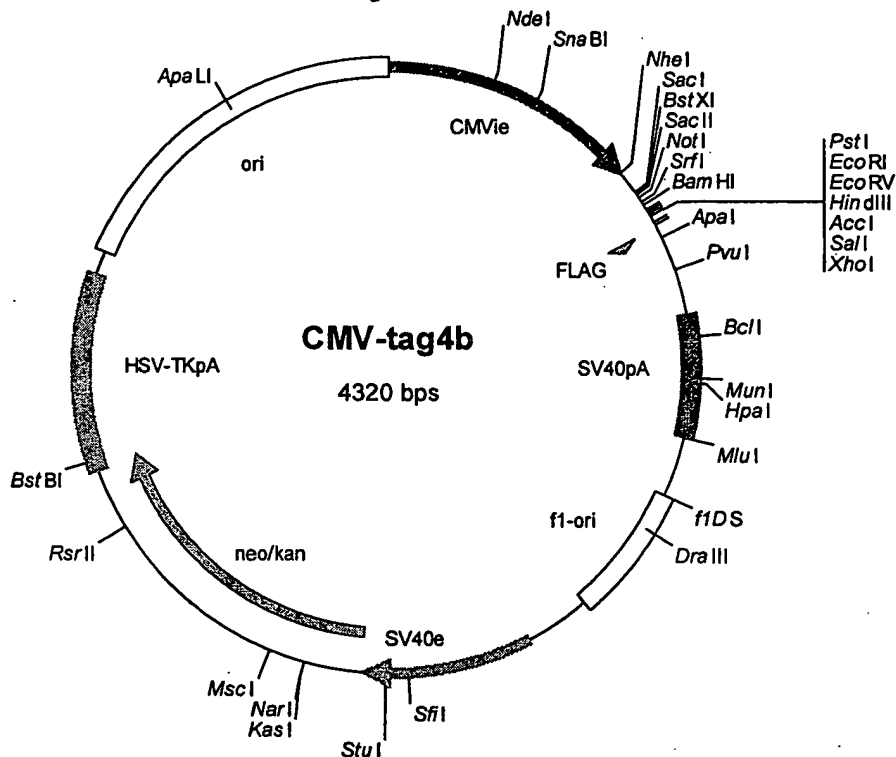
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Fig. 4a-2

Fig. 4b-1



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Fig. 4b-2

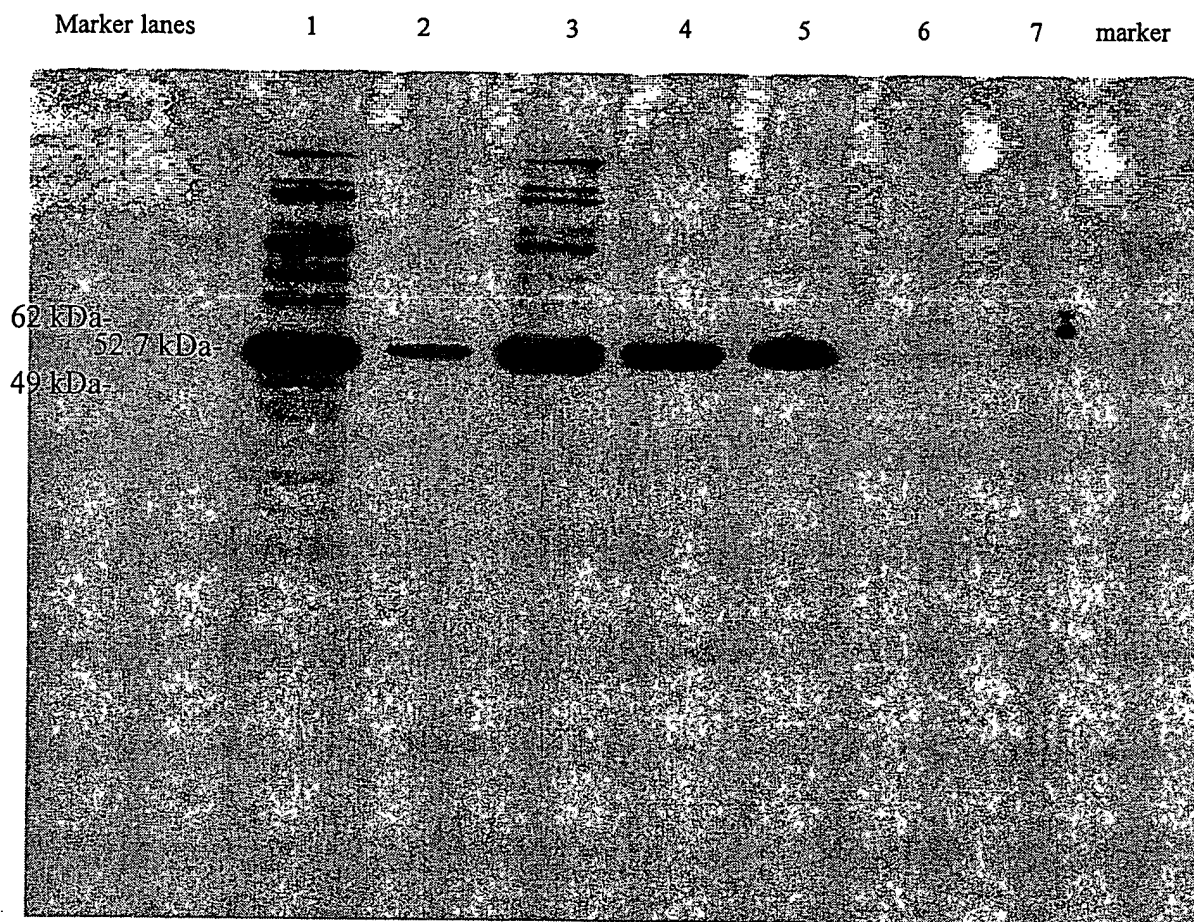


FIGURE 5

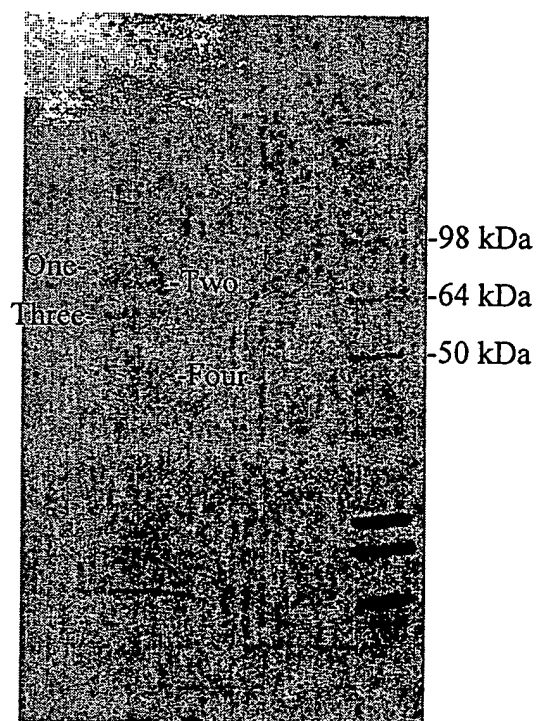


FIGURE 6